



GL300W Tracker

RouteWatch™, our proprietary software platform is the differentiator when requiring GPS technologies for protection of your assets, covert operations or transportation via air, sea or ground.

SecureFlight™ suppresses transmissions during flight operations. Independent lab tested RTCA/DO-160 meeting global regulatory requirements, including FAA and EASA.

Cargo embedment for ground and air shipments.

24/7/365 command call center, Secure Web Portal.

Sampling and reporting intervals configured at time of shipment and can be changed while in-transit.

Improve operational productivity, enhance client visibility.

Features



Automated Reports

TEMS report and automated arrival notices sent immediately upon arrival.



Real-Time Tracking

Real-time GPS tracking with GSM Cell Tower ID back-up.



Data Availability

Data maintained 5 (five) years. Unlimited users as part of RouteWatch.



Approvals/Certifications

SecureFlight™ approved on over 25 global Airline companies.*
GPS tracker certified under CE/FCC guidelines



Alerts

Provides many capabilities for monitoring of geo-fence (arrivals/departures).



Battery / Charging

Up to 2 weeks of battery life. .
Rechargeable / Reusable



LEDs

Visual LEDs for quick notification of Communication Interruptions or Out of Temperature



Flexible Ping Rates

Customizable ping rates.
Adjust pings remotely via RouteWatch platform.

Specifications – GL300W Tracker

RF SPECIFICATIONS

- Frequency
 - GSM: 850/900/1800/1900 MHz
 - UMTS/HSPA: 850(B5)/900(B8)/1900(B2)/2100(B1) MHz
- Transmitting power
 - GSM/GPRS: 850/900, 33 dBm / 1800/1900, 30 dBm
 - UMTS/HSPA: All bands, 23 dBm
- GSM/GPRS data features
 - GPRS multi-slot class 12 (10 by default)
 - Coding scheme: CS-1, CS-2, CS-3 and CS-4
 - Maximum of four Rx time slots per frame
- Transmission data
 - HSDPA R5: 5.6 Mbps upload / 7.2 Mbps download
 - HSPA Fallback: EDGE/GPRS/GSM quad band, Edge MCS1-MCS9, 3GPP Release 6

GPS SPECIFICATIONS

- GPS Chipset: 56 channel u-blox All-in-one GPS receiver
- Sensitivity:
 - Autonomous: -147 dBm
 - Hot start: -156 dBm
 - Reacquisition: -160 dBm
 - Tracking: -162 dBm
- Position Accuracy (CEP)
 - Autonomous: <2.5m
 - SBAS: <2.0m
- TTFF (Open Sky)
 - Cold start: 27s average
 - Warm start: 27s average
 - Hot start: 1s average

GENERAL SPECIFICATIONS

- Dimensions: 77.9mm*39.9mm*26.7mm
- Weight: 93g
- Internal battery: Li-Polymer 2600 mAh
- Water resistance: IPX5 compliant
- Charging voltage: 5V DC
- External battery voltage: 3.5V to 4.2V DC
- Operating temperature: -20°C ~+55°C



INTERFACES

- Digital Inputs:
 - One positive trigger for ignition detection
 - One negative trigger input for normal use
- Power Button:
 - Power On and Off can be disabled by the air interface protocol
- Function button with vibration feedback
 - Emergency alert or instant geo-fence
- Internal only UMTS/HSDPA, GSM and GPS antennas
- LED indicators for CEL, GPS and Power
- Mini USB for external power and configuration

AIR INTERFACE PROTOCOL

- Transmit Protocol: TCP, UDP, SMS
- Scheduled report:
 - Report position and status according to preset time schedules
- Support up to 5 internal geo-fence regions
- Report when the device is powered On or Off
- Low power alarm when battery is low
- SOS alarm when functions key is pressed
- Special alarm based on digital input
- Motion alarm based on internal 3-axis accelerometer

BATTERY SPECIFICATIONS

- Identity: Li-ion Polymer Battery
- Nominal Voltage: 3.7V
- Typical Capacity: 2600mAh, 9.62Wh
- Weight: 43.9g
- Dimensions: 54.1mm x 30.3mm x 15.2mm
- Average Battery Life per Ping Rate:
 - 30 check / 60 send seconds: 2 Days
 - 60 check / 120 send seconds: 5 Days
 - 300 check / 300 send seconds: 10 Days